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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/723,385	11/25/2003	Hanjun Luo	H0678.70008US00	8005	
	7590		EXAMINER		
600 ATLANTIC	C AVENUE		GERGISO, TECHANE		
BOSTON, MA	02210-2200		ART UNIT	PAPER NUMBER	
			2137		
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			05/28/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/723,385	LUO ET AL.	
Office Action Summary	Examiner	Art Unit	
	TECHANE J. GERGISO	2137	
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet with	the correspondence addres	'S
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perion. - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the may be armed patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC. 1.136(a). In no event, however, may a report of will apply and will expire SIX (6) MONT tute, cause the application to become ABA	ATION. lly be timely filed HS from the mailing date of this communication (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 17 This action is FINAL . 2b) □ This action is FINAL . 2b) □ This action is application is in condition for allow closed in accordance with the practice under the condition is in condition.	his action is non-final. vance except for formal matte	•	rits is
Disposition of Claims			
4) ☐ Claim(s) <u>1-5</u> is/are pending in the application 4a) Of the above claim(s) is/are withd 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) <u>1-3</u> is/are rejected. 7) ☐ Claim(s) <u>4 and 5</u> is/are objected to. 8) ☐ Claim(s) are subject to restriction and Application Papers 9) ☐ The specification is objected to by the Examination The drawing(s) filed on is/are; a) ☐ a	rawn from consideration. d/or election requirement. iner.	v the Everniner	
10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the corn and the oath or declaration is objected to by the	he drawing(s) be held in abeyand ection is required if the drawing(s	e. See 37 CFR 1.85(a).) is objected to. See 37 CFR 1.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for forei a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a li	ents have been received. ents have been received in Ap riority documents have been r eau (PCT Rule 17.2(a)).	plication No eceived in this National Staç	ge
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s).	mmary (PTO-413) Mail Date ormal Patent Application -	

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DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in

37 CFR 1.17(e), was filed in this application after final rejection. Since this application is

eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR

1.17(e) has been timely paid, the finality of the previous Office action has been

withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 17, 2008

has been entered.

2. Claims 1-5 have been examined and are pending.

Response to Arguments

3. Applicant's arguments filed on January 28, 208 have been fully considered but they are

not persuasive.

4. In response to applicant's arguments against the references individually, one cannot show

nonobviousness by attacking references individually where the rejections are based on

combinations of references. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); In re

Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

The applicant argues that "none of these portions of IEEE describe a request for joining

in a multicasting group, much less the interception of such a request, or "obtaining a port

number, a MAC address and a multicasting IP address" from such a request. Furthermore, IEEE

is completely silent as to searching 802.1X subscriber information. No multicast authentication is

discussed in IEEE, only the propagation of multicast packets".

The examiner disagrees with the applicant's argument because Chow et al. discloses

request for joining in a multicasting group, much less the interception of such a request, or

obtaining a port number, a MAC address and a multicasting IP address in paragraph [0040]

recited as follows: The multicast gateway is programmed, for example, by secure web page

interactions, so that it contains a list of known user packet addresses or other authentication

qualifiers; 0041; An individual carrying an IEEE 802.11-equipped device may then listen to

multicast stream(s) containing all current "transmitting "users'. See also paragraph [0051];

[0133]; [0139]. a multicast group is identified based on the subscriber's profile and allocated

a multicast address and a new session is initiated."

For the above reasons, the applicant's argument is not persuasive to overcome the prior

arts in record (Over IEEE in view of Chow) to place independent claim 1 in condition for

allowance. Dependent claims 2 and 3 are also not placed in condition for allowance based on

their dependence from claim 1.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over IEEE Std 802.1X-2001. Port-Based Network Access Control *Approved 14 June 2001* IEEE-SA Standards Board (hereinafter referred to IEEE) in view of Chow et al. (hereinafter referred to Chow US Pub No.: 2003/0058827).

As per claim 1:

IEEE discloses an 802.1X protocol-based multicasting control method, comprising the following steps:

intercepting a request a message for joining a multicasting group sent from the authenticated subscriber (Figure 6.5 Figure 8-3: EAP-Request/Identity; Page 119: j Multicast propagation; Page 123: Section C.3.3 Crosstalk);

obtaining a port number and a MAC address and a multicast IP address of the subscriber from the request message (Page 78: Description: "The port number, protocol version, and initialization control for a port; Figure 6.5 Figure 8-3: EAP-Request/Identity; Page 119: j Multicast propagation; Page 123: Section C.3.3 Crosstalk);

searching corresponding subscriber account information in the 802.1x authenticated subscriber information according to said port number information and MAC address (figure 8.14-Supplicant PAE State machine; Table 10-1: 9.5.2 Supplicant Statistics).

IEEE does not explicitly teach performing 802.1x authentication for a subscriber and storing authenticated subscriber information and a message for joining a multicasting group and authenticating the subscriber's account number information and the multicasting IP address, and then adding the subscriber to the multicasting group if the authentication is passed successfully; otherwise rejecting the subscriber's request. Chow in analogous art, however, teach performing 802.1x authentication for a subscriber and storing authenticated subscriber information and a message for joining a multicasting group and authenticating the subscriber's account number information and the multicasting IP address, and then adding the subscriber to the multicasting group if the authentication is passed successfully; otherwise rejecting the subscriber's request (0040; The multicast gateway is programmed, for example, by secure web page interactions, so that it contains a list of known user packet addresses or other authentication qualifiers; 0041; An individual carrying an IEEE 802.11-equipped device may then listen to multicast stream(s) containing all current "transmitting" users'; 0051; 0133; 0139; a multicast group is identified based on the subscriber's profile and allocated a multicast address and a new session is initiated.). Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to modify the method disclosed by IEEE to include a message for joining a multicasting group and authenticating the subscriber's account number and multicasting IP address, and then adding the subscriber to the multicasting group if the authentication is passed successfully; otherwise the subscriber's request is rejected. This modification would have been obvious because a person having ordinary skill in the art would have been motivated by the desire to provide a packet-based wireless LANs to emulate personArt Unit: 2137

to-person and person-to-group communications representative of Private Land Mobile Radio

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Service (PLMRS) often called "push-to-talk" radio suggested by Chow in (0012).

As per claim 2:

IEEE discloses the 802.1X protocol-based multicasting control, comprising: an

authentication server at 802.1X authentication end be used to authenticate the subscriber's

account number information and the multicasting IP address (Page 78: Description: "The port

number, protocol version, and initialization control for a port; Figure 6.5 Figure 8-3: EAP-

Request/Identity; Page 119: j Multicast propagation; Page 123: Section C.3.3 Crosstalk).

As per claim 3:

IEEE discloses the 802.1X protocol-based multicasting control method, wherein the

authentications of the subscriber's account number and the multicasting IP address are

implemented through verifying whether the multicasting IP address is authorized receive

account number information (figure 8.14-Supplicant PAE State machine; Table 10-1: 9.5.2

Supplicant Statistics).

Allowable Subject Matter

7. Claims 4 and 5 are objected to as being dependent upon a rejected base claim, but would

be allowable if rewritten in independent form including all of the limitations of the base claim

and any intervening claims.

8. The following is a statement of reasons for the indication of allowable subject matter:

after consideration of claims 4, 5 and rewritten with claim 1 as shown below, the following

features of a method which are not taught or further suggested and would not have been obvious

over prior arts of record and these features are:

if the subscriber attached to a port for 802.1X authentication is based on port number

makes a request for joining in a multicasting group through IGMP protocol, the

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subscriber's MAC address is searched for first; if said MAC address is found, the

subscriber's account number information is searched for according to said MAC

address and said port number.

if the subscriber attached to a port for 802.1X authentication is based on MAC address a

request for joining in a multicasting group through IGMP protocol, the

subscriber's account number information is searched for directly according to the

subscriber's MAC address and the port number.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure. See the notice of reference cited in form PTO-892 for additional prior art

Contact Information

10. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Techane J. Gergiso whose telephone number is (571) 272-3784

and fax number is (571) 273-3784. The examiner can normally be reached on 9:00am - 6:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

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Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/T. J. G./

Examiner, Art Unit 2137

/Emmanuel L. Moise/

Supervisory Patent Examiner, Art Unit 2137